

## Stat5a/b (A688) polyclonal antibody

Catalog: BS1338

Host: Rabbit

Reactivity: Human, Mouse

### Background:

Stat 5a protein is a transcription factor activated by hormone and cytokines. Two highly related, but distinct Stat 5 genes (Stat 5a and Stat 5b) were identified in mouse. The amino acid sequences of Stat 5a and Stat 5b show 96% sequence similarity, and both proteins are co expressed in most tissues of both virgin and lactating mice. However, differential accumulation of Stat 5a and Stat 5b mRNA has been reported for both muscle and mammary tissue. Stat 5a is critically involved in a variety of physiological functions, including reproduction, lactation, immune function and somatic growth.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 95 kDa

### Swiss-Prot:

P42229/P51692

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IF: 1:50~1:200

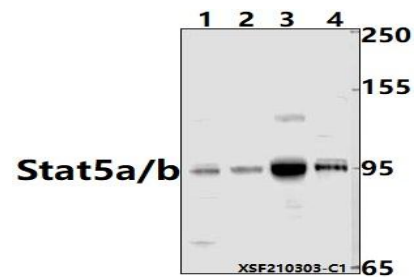
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Stat5a/b (A688) polyclonal antibody detects endogenous levels of Stat5a/b protein.

### DATA:



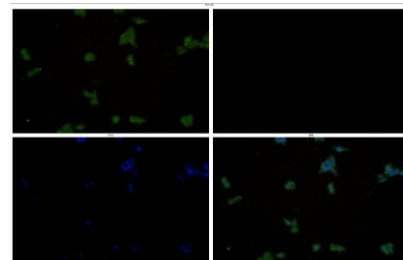
Western blot (WB) analysis of Stat5a/b pAb at 1:500 dilution

Lane1:PC3 whole cell lysate(40ug)

Lane2:CT-26 whole cell lysate(40ug)

Lane3:THP-1 whole cell lysate(40ug)

Lane4:MCF-7 whole cell lysate(40ug)



Immunofluorescence analysis of MCF-7 cells using Stat5a/b (A688) antibody at dilution of 1:50.

### Note:

For research use only, not for use in diagnostic procedure.

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